PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY			MANO
To:		e consideration of the conside	PCT PCT
		WI INTERNAT	TITTEN OPINION OF THE IONAL SEARCHING AUTHORITY
			(PCT Rule 43bis.1)
		Date of mailing (day/month/year)	See form PCT/ISA/210
Applicant's or agent's file reference 40cdh/229278		FOR FURTHER A	CTION See paragraph 2 below
PCT/EP2004/010824 28.09	.2004	day/month/year)	Priority date (day/month/year) 03.02.2004
International Patent Classification (IPC) or both national class B01D46/50 B01D35/14, B01D2 B01D27/06		B01D29/15	F02M37/22,
Applicant HYDAC FILTERTECHNIK GMBH			
This opinion contains indications relating to the following to the fo	owing items:		
Box No. I Basis of the opinion			
Box No. II Priority			
Box No. III Non-establishment of opini	ion with rega	rd to novelty, inventiv	e step and industrial applicability
Box No. IV Lack of unity of invention			
Box No. V Reasoned statement under applicability; citations and	Rule 43bis.1(explanations	(a)(i) with regard to no supporting such states	velty, inventive step or industrial nent
Box No. VI Certain documents cited	-		
Box No. VII Certain defects in the interr	national appli	cation	
Box No. VIII Certain observations on the	international	l application	
2. FURTHER ACTION			
If a demand for international preliminary examinational Preliminary Examining Authority ("IPE than this one to be the IPEA and the chosen IPEA this International Searching Authority will not be so one of the IPEA and the chosen IPEA this International Searching Authority will not be so one of the IPEA and the chosen IPEA this International Searching Authority will not be so one of the IPEA and IPEA	as notified th	hat this does not annly	where the applicant shares and the state of
If this opinion is, as provided above, considered to to written reply together, where appropriate, with ame PCT/ISA/220 or before the expiration of 22 months for	be a written o	CIOTE the evolvation o	F3 months from the data of out!!! cm
For further options, see Form PCT/ISA/220.			
3. For further details, see notes to Form PCT/ISA/220.			
Tame and mailing address of the ISA/EP	A	Authorized officer	
acsimile No.	T	elephone No.	

International application No.

PCT/EP2004/010824

В	ox No. I	Basis of this opinion
1.	With filed.	regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under
	_	Rule 12.3 and 23.1(b)).
2.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ion, this opinion has been established on the basis of
	a. [Type of indicated
	l.	a sequence listing way and was a sequence as a sequence with the sequence of t
		table(s) related to the sequence listing
	ъ.	format of material
	Ĺ	in written format
	L	in computer readable form
	c. t	ime of filing/furnishing
	Ĺ	contained in the international application as filed
	L	filed together with the international application in computer readable form.
	L	furnished subsequently to this Authority for the purposes of search.
3.	I I	a addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or unished, the required statements that the information is the order of the required statements that the information is the order of the required statements that the information is the order of the required statements that the information is the order of the required
		urnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as led or does not go beyond the application as filed, appropriate, were furnished.
4.		nal comments:
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International application No.
PCT/EP2004/010824

В	ox No.	II Prior	ity	1					
1.	\boxtimes	The following	g document ha	s not yet been fur	nished:				
		copy of	the earlier app	plication whose pr	iority has been clai	med (Rule 43bis.1	and 66.7(a)).		
		translati	on of the earli	er application wh	ose priority has bee	n claimed (Rule 43	bis.1 and 66.7(b)).	•	
		Consequently in the assumption	t has not been that the relev	n possible to consi ant date in the cla	ider the validity of a imed priority date.	the priority claim. I	This opinion has ne	vertheless been establishe	ed on
2.		This opinion has (Rules 43bis. 1 relevant date.	nas been estab and 64.1). Ti	plished as if no pr hus for the purpo	riority had been classes of this opinion,	aimed due to the fa the international fi	ct that the priority ling date indicated	claim has been found in above is considered to b	valid e the
3.	Add	itional observati	ons, if necessa	ary:					
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International application No.
PCT/EP2004/010824

1. Statement Novelty(N) Claims Claims Claims Claims Claims Claims Claims 1-11 Industrial applicability (IA) Claims Claims 1-11 Claims 1-11 Claims 2. Citations and explanations: The following documents are cited in the search report: D1: US-A-6 099 726 (GEMBOLIS DONALD J ET AL.) 8 August 2000 (2000-08-08) D2: EP-A-0 402 657 (KNECHT FILTERWERKE GMBH) 19 December 1990 (1990-12-19) D3: GB-A-2 300 367 (PROCESS SCIENT INNOVATIONS) 6 November 1996 (1996-11-06) D4: US-B-6 168 7131 (SAWADA KAZUTO ET AL.) 2	Claims 1-3, 5-7, 10, 11 NO Claims 1-11 YES Claims 1-11 YES Claims NO Claims 1-11 YES Claims NO Claims 1-11 YES Claims NO Claims NO Claims 1-11 YES NO NO Claims 1-11 YES NO Claims 1-11 YES NO Claims 1-11 YES NO
Claims 1-3, 5-7, 10, 11 Inventive step (IS) Claims 1-11 Industrial applicability (IA) Claims 1-11 Claims 1-11 Claims 1-11 Claims 1-11 Industrial applicability (IA) Claims 1-11 D1: US-A-6 099 726 (GEMBOLIS DONALD J ET AL.) 8 August 2000 (2000-08-08) D2: EP-A-0 402 657 (KNECHT FILTERWERKE GMBH) 19 December 1990 (1990-12-19) D3: GB-A-2 300 367 (PROCESS SCIENT INNOVATIONS) 6 November 1996 (1996-11-06)	Claims 1-3, 5-7, 10, 11 NC Claims 1-11 YE Claims 1-11 YE Claims NO To describe the search report: S-A-6 099 726 (GEMBOLIS DONALD J ET AL.) 8 Lugust 2000 (2000-08-08) P-A-0 402 657 (KNECHT FILTERWERKE GMBH) 19 Exember 1990 (1990-12-19) B-A-2 300 367 (PROCESS SCIENT INNOVATIONS) 6 Exember 1996 (1996-11-06)
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January 2001 (2001-01-02)	
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D1 discloses the following conductive elements: filter element, support pipe, end caps, adhesive bed, O-ring. The filter element may comprise a plurality of layers with support layers and be folded. The edge of the end cap is raised.

The subject matter of claims 1, 3, 5-7 and 10, 11 is therefore no longer novel (PCT Article 33(2)) over D1.

International application No.
PCT/EP2004/010824

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

D2 discloses conductive edge elements 2, 3 or 7 which pass through a non-conductive plastic bed, or a conductive plastic bed itself. The edge of the end cap is raised. The end cap itself is also conductive.

The subject matter of claims 1-4, 7, 8 and 10 is therefore no longer novel (PCT Article 33(2)).

In claim 9 of the present application, the edge elements (contact pins) are supposed to lie in concentric circles; in D2, the contact elements "3" lie in spirals. This distinction cannot form the basis for an inventive step (PCT Article 33(3)). In D2, the contact elements "3" are flat webs; the shape of "pins" as per current claim 4 cannot form the basis for the existence of an inventive step (PCT Article 33(3)); this also applies to the variant as per dependent claim 8. In claim 9 of the present application, the edge elements (contact pins) are supposed to lie in concentric circles; in D2, the contact elements "3" lie in spirals. This distinction cannot form the basis for an inventive step (PCT Article 33(3)).

3. D3 discloses the following electrically conductive elements: end caps, filter element coatings, support pipe, adhesive bed. D3 also discloses a raised edge on the end caps.

The subjects of claims 1, 3, 5, 6, 7 and 10 are

International application No. PCT/EP2004/010824

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; therefore no longer novel (PCT Article 33(2)) over D3.

4. D4 discloses the following electrically conductive elements: filter material, support tube, end caps, sealing element 25 in figure 6. D4 also discloses a raised edge on the end caps.

The subjects of claims 1, 3, 5, 7 and 10, 11 are therefore no longer novel over D3 (PCT Article 33(2)).